

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: 10/814,760A
Source: IFWD
Date Processed by STIC: 12-15-04

ENTERED



IFWO

RAW SEQUENCE LISTING

DATE: 12/15/2004

PATENT APPLICATION: US/10/814,760A

TIME: 15:32:54

Input Set : D:\BUCHANAN CRH AND POMC EFFECTS (FURMAN).txt

Output Set : N:\CRF4\12152004\J814760A.raw

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4 <110> APPLICANT: Buchanan, Fiona C.
5      Thue, Tracy D.
6      Winkelman-Sim, Dianne
8 <120> TITLE OF INVENTION: CRH AND POMC EFFECTS ON ANIMAL GROWTH
11 <130> FILE REFERENCE: 0100024.0523741
13 <140> CURRENT APPLICATION NUMBER: US 10/814,760A
14 <141> CURRENT FILING DATE: 2004-03-31
16 <160> NUMBER OF SEQ ID NOS: 9
18 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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21 <211> LENGTH: 584
22 <212> TYPE: DNA
23 <213> ORGANISM: Bos taurus
25 <220> FEATURE:
26 <221> NAME/KEY: misc_feature
27 <222> LOCATION: (22)...(22)
28 <223> OTHER INFORMATION: SNP present (CRH4")
30 <221> NAME/KEY: misc_feature
31 <222> LOCATION: (145)...(145)
32 <223> OTHER INFORMATION: SNP present ("CRH 45")
W--> 34 <221> misc_feature
35 <222> LOCATION: (240)...(240)
36 <223> OTHER INFORMATION: SNP present ("CRH77")
38 <300> PUBLICATION INFORMATION:
39 <308> DATABASE ACCESSION NO: GenBank AF340152
40 <309> DATABASE ENTRY DATE: 2004-02-12
W--> 42 <400> 1
43 cgcccgcctaa aatgcgactg ccgctgctcg tgtccgtggg cgtcctgctg gtggctctgc 60
44 tgccctcccc gccatgcagg gccctcctca gccggggggc catcccgggt gcccggcagg 120
45 catcacagca cccccagccc ctgagtttct tccagccgcc gccgcagccc caggaacccc 180
46 aggtctctgcc caccctactc cgtgttgggg aggaatactt cctccgctg ggtaacctcg 240
47 atgagaccgc ggctgctccs ctctctcccg ccgcctcgcc tctcgccagc agaagcagca 300
48 gtgccttttc tccggacaag gtggccgcc aactttttcc agcgtgctg cagccccggc 360
49 gccattcga cagcccagcg ggtcccgcgg aacgcggcac ggagaacgcc ctccggcagg 420
50 gccaggaggc gccggccgcc aggaagaggc gatcccagga acctcccatc tccctggatc 480
51 tcaccttcca cctcctccga gaagtcttgg aaatgaccaa ggccgatcag ttagcacagc 540
52 aagctcatar caayaggaaa ctgttggaac ttgctgggaa atga 584
54 <210> SEQ ID NO: 2
55 <211> LENGTH: 1002
56 <212> TYPE: DNA
57 <213> ORGANISM: Bos taurus
59 <220> FEATURE:
60 <221> NAME/KEY: misc_feature

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61 <222> LOCATION: (254)...(254)
62 <223> OTHER INFORMATION: SNP
64 <300> PUBLICATION INFORMATION:
65 <308> DATABASE ACCESSION NO: GenBank J00021
66 <309> DATABASE ENTRY DATE: 1994-10-30
68 <400> SEQUENCE: 2
69 gcgaggaggag tgaagggtc agggcgcgcg cttgaggggc ggtgaaacgc cgcggcctgg 60
70 agtgggagggg gctgacgcg ctctgccgt ctccgcaggc gtgcatccgg gctgcaagc 120
71 ccgacctctc cgccgagacg ccggtgttcc ccggcaacgg cgatgagcag ccgctgactg 180
72 agaaccctcg gaagtacgtc atgggccatt tccgctggga ccgcttcggc cgtcggaatg 240
73 gtagcagcag cagcggagtt gggggcgcg cccagaagcg cgaggaggaa gtggcggtgg 300
74 gcgaaggccc cgggccccgc ggcgatgacg ccgagacggg tccgcgcgag gacaagcggt 360
75 ctactccat ggaacacttc cgctggggca agccggtggg caagaagcgg cggccgggtga 420
76 aggtgtaccc caacggcgcc gaggacgagt cggcccaggc ctttccctc gaattcaaga 480
77 gggagctgac cggggagagg ctcgagcagg cgcgcggccc cgaggcccag gctgagagtg 540
78 cggccgcccg ggctgagctg gagtatggcc tgggtggcga ggcggaggct gaggcgccg 600
79 agaagaagga ctcggggccc tataagatgg aacacttccg ctggggcagc ccgccaagg 660
80 acaagcgcta cggcggttc atgacctccg agaagagcca aacgcccctt gtcacgctgt 720
81 tcaaaaacgc catcatcaag aacgcccaca agaaggcca gtgagggcgc agcgggcagg 780
82 ggcctctctc cgcggaagt tgacctgaa ggcctctctt ctgcccctc accgcctcgc 840
83 agcctgggtg aggatcgcc caggcagtga tggcgccagg tatcccgact cttaaagctg 900
84 tctgtagtta agaaataaaa cttttcaagt ttcacgaata ttgactgggt gaattaaaaa 960
85 cgcatttcca tcaagtaaag ggcagtacat attggagggg cg 1002
87 <210> SEQ ID NO: 3
88 <211> LENGTH: 1809
89 <212> TYPE: DNA
90 <213> ORGANISM: Bos taurus
92 <220> FEATURE:
93 <221> NAME/KEY: misc_feature
94 <222> LOCATION: (1069)...(1069)
95 <223> OTHER INFORMATION: SNP
97 <300> PUBLICATION INFORMATION:
98 <308> DATABASE ACCESSION NO: GenBank AF265221
99 <309> DATABASE ENTRY DATE: 2001-11-09
101 <400> SEQUENCE: 3
102 cagcctaaga tttccaagt atgctgaccagagccacact tgaaagagac tgaaaacttc 60
103 ctttccagct ccggagcagt ggacatttat tcacagcagg catgccactc tccgccgcct 120
104 aactttcgtt tggggcaagt caagactgga gaaaggtgct gaggctgcca gatccaggag 180
105 gttcagtcag tccagagggg acctgaatcc aaaatgaact ctaccagcc ctttgggatg 240
106 cacacctctc tccactctg gaaccgcagc gcccacggaa tgcccaccaa tgtcagttag 300
107 tccctggcaa aaggctactc ggacgggggg tgctatgagc agctctttgt ctctcccag 360
108 gtgtttgtga ctctgggggt catcagcttg ttggagaata ttctggtgat cgtggccata 420
109 gccaagaaca agaattctgca ctaccccatg tactttttca tctgcagcct ggctgtggct 480
110 gacatgttgg tgagcgtttc caacgggtcg gaaaccattg tcatcaccct gctgaacagc 540
111 acggacacgg acgcgcagag cttcacgggt gatattgaca atgtcattga ctcggtgatc 600
112 tgtagctcct tgcttgctc catctgcagc ttgctgtcga tcgcggtgga caggctactc 660
113 actatcttct atgcgtcca gtaccataac atcatgacgg tgaagcgggt ggcgatcacc 720
114 atcagcgcca tctgggcagc ctgcacgggt tcgggcgtct tgttcatcat ttactcagac 780
115 agcagtgtct ttatcatctg cctcatcacc gtgttcttca ccatgctggc tctcatggcg 840

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116 tctctctatg tccacatggt cctcatggcc agactccaca ttaagaggat cgcgggtcctg 900
117 ccaggttagcg gcaccatccg ccagggcgcc aacatgaagg ggcgattac cctgaccata 960
118 ctgacgggg tctttgttgt ctgctgggcc cccttcttcc tgcacctgat attctacatc 1020
119 tcttggtccc agaaccata ctgtgtgtgt ttcattgtctc actttaacct gtacctcatc 1080
120 ctcatcatgt gcaattccat cattgacct ctgatttatg ccctgcgagg ccaagaactg 1140
121 aggaaaacct tcaaagagat catttggtgc tctcctctag gtggcctctg tgatttgtct 1200
122 agcagatatt aaatggggac aaacgcgatg ctaaacacaa gcttaagaga ctttctcctt 1260
123 ctcatatgta caacctgaac agtctgtatc agccacagct ttttcttctg tgtagggcac 1320
124 ggagtgaataa tttctattgt atcagttgaa gtttgtgatt ttttctgat gtgaaacagt 1380
125 gccagtcctt ggtgtatttt taatgtcatg ctactttctg gctgtaaaat gtgaatccac 1440
126 atcacagggt ataggcacta tgcatttata aaaaaagaag aaaaaaagtc cttatgagga 1500
127 gtttaacagt gtttccttct tgttatttac aaggatgtga cactttgctt gcttttgtaa 1560
128 catggaaatc acagcttcat taagtatac ctcataagtg gtttttttat gttatacttt 1620
129 acaacactga agtgtaaaaaa tttgattcta gcatttaggg gagaaatatt gagaacatat 1680
130 tgcttaatca taaaaaaciaa gctgaaatth caggtaatth aataagactt tctcattcat 1740
131 tcttcctgtg cagaagttga aatgaagctt gtattgggag aaaaacagtt acttaaaaaa 1800
132 aaaaaaaaaa
134 <210> SEQ ID NO: 4
135 <211> LENGTH: 22
136 <212> TYPE: DNA
137 <213> ORGANISM: Bos taurus
139 <220> FEATURE:
140 <221> NAME/KEY: misc_feature
141 <222> LOCATION: (0)...(0)
142 <223> OTHER INFORMATION: Forward primer for DNA amplification of sequences
143 within SEQ ID NO: 1
145 <400> SEQUENCE: 4
146 gcgcccgccta aaatgcgact ga 22
148 <210> SEQ ID NO: 5
149 <211> LENGTH: 20
150 <212> TYPE: DNA
151 <213> ORGANISM: Bos taurus
153 <220> FEATURE:
154 <221> NAME/KEY: misc_feature
155 <222> LOCATION: (0)...(0)
156 <223> OTHER INFORMATION: Reverse primer for DNA amplification; sequence is
157 the reverse complement of the corresponding
158 sequence in SEQ ID NO: 1
160 <400> SEQUENCE: 5
161 ctgtgatgcc tgccggggcac 20
163 <210> SEQ ID NO: 6
164 <211> LENGTH: 21
165 <212> TYPE: DNA
166 <213> ORGANISM: Bos taurus
168 <220> FEATURE:
169 <221> NAME/KEY: misc_feature
170 <222> LOCATION: (0)...(0)
171 <223> OTHER INFORMATION: Forward primer for DNA amplification fo sequences
172 within SEQ ID NO: 2

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174 <400> SEQUENCE: 6
175 cgtgcatccg ggcctgcaag c 21
177 <210> SEQ ID NO: 7
178 <211> LENGTH: 23
179 <212> TYPE: DNA
180 <213> ORGANISM: Bos taurus
182 <220> FEATURE:
183 <221> NAME/KEY: misc_feature
184 <222> LOCATION: (0)...(0)
185 <223> OTHER INFORMATION: Reverse primer for DNA amplification; sequence is
186 the reverse complement of the corresponding
187 sequence in SEQ ID NO:2
189 <400> SEQUENCE: 7
190 gtcagctccc tcttgaattc gag 23
192 <210> SEQ ID NO: 8
193 <211> LENGTH: 20
194 <212> TYPE: DNA
195 <213> ORGANISM: Bos taurus
197 <220> FEATURE:
198 <221> NAME/KEY: misc_feature
199 <222> LOCATION: (0)...(0)
200 <223> OTHER INFORMATION: Forward primer for DNA amplification of sequences
201 within SEQ ID NO: 3
203 <400> SEQUENCE: 8
204 taccctgacc atactgatcg 20
206 <210> SEQ ID NO: 9
207 <211> LENGTH: 22
208 <212> TYPE: DNA
209 <213> ORGANISM: Bos taurus
211 <220> FEATURE:
212 <221> NAME/KEY: misc_feature
213 <222> LOCATION: (0)...(0)
214 <223> OTHER INFORMATION: Reverse primer for DNA amplification; sequence is
215 the reverse complement of corresponding sequence
216 in SEQ ID NO: 3
218 <400> SEQUENCE: 9
219 agagcaacaa atgatctctt tg 22

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VERIFICATION SUMMARY

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L:34 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1

L:42 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1